REMARKS

Status of the Claims

The present application has been reviewed in light of the Office Action dated February 7, 2008. Claims 1 and 4-19 are presented for examination, of which claims 1 and 19 are in independent form. Claims 1 and 4-7 have been amended solely to define more clearly what Applicants regard as their invention. Favorable reconsideration is requested.

Applicants note with appreciation the indication that claim 19 has been allowed and that claim 9 includes allowable subject matter and would be allowable if rewritten in independent form. Applicants respectfully decline to so rewrite claim 9 at this time, for at least the reason that its base claim is believed to be allowable, as discussed below.

35 U.S.C. 112 Rejections

Claims 4 an 5 have been rejected for reciting the phrase "said at least one sealed volume." The Examiner alleges that this phrase does not find antecedent support in claim 1. In response, Applicants have amended claims 4 and 5 to recite "said sealed volume." During the telephonic interview with the Examiner on June 6, 2008, the Examiner noted that the phrase "said longitudinal boss" in claims 6 and 7 also lacks antecedent support. Accordingly, Applicants have amended claims 6 and 7 to recite "said plurality of longitudinal bosses." Therefore, Applicants respectfully request withdrawal of this rejection.

Prior-Art Rejections

Claims 1, 4, 6, 8, 10-13 and 16 stand rejected under 35 U.S.C. § 102(e) as anticipated by U.S. Patent No. 6,435,486 ("Maier"). In addition, claim 5 stands rejected under

35 U.S.C. § 103(a) as unpatentable over Maier in view of U.S. Patent No. 5,439,203 ("Hadano"); claim 7 stands rejected under 35 U.S.C. § 103(a) as unpatentable over Maier in view of U.S. Patent No. 5,516,083 ("Sprang"); claims 8, 14, 17 and 18 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Maier in view of U.S. Patent No. 6,622,996 ("Mayerböck"); and claim 15 stands rejected under 35 U.S.C. § 103(a) as unpatentable over Maier in view of U.S. Patent No. 5,301,414 ("Gautheron").

Claim 1 is directed to a hydroelastic joint for assembling pieces of a structure and for damping vibrations transmitted between the pieces. The joint includes an external reinforcement, an intermediate reinforcement, an internal reinforcement, and an assembly forming a hydroelastic spring. The assembly is disposed between the external and intermediate reinforcements in order to permit a relative transverse displacement between the external and intermediate reinforcements. The assembly includes a first elastically deformable element shaped to delimit between the external and intermediate reinforcements a sealed volume containing damping fluid.

The joint further includes a plurality of longitudinal bosses separating the sealed volume into a plurality of chambers, and additionally includes a second elastically deformable element disposed between the intermediate reinforcement and the internal reinforcement. The second elastically deformable element forms an elastic spring and has a longitudinal dimension less than a corresponding longitudinal dimension of the first elastically deformable element, in order to limit a transverse deformation of the first elastically deformable element during a relative tilting of the longitudinal axes of the external and internal reinforcements about at least one transverse tilting axis.

The longitudinal dimension of each of the first and second elastically deformable elements are defined as an axial dimension of a portion that substantially fills a radial space between corresponding ones of the reinforcements. The intermediate reinforcement is disposed between the first and second elastically deformable elements, such that the first and second elastically deformable elements adhere without interruption to the intermediate reinforcement, and such that the second elastically deformable element adheres without interruption to the internal reinforcement.

One of the notable features of claim 1 is that the first and second elastically deformable elements adhere without interruption to the intermediate reinforcement, and that the second elastically deformable element adheres without interruption to the internal reinforcement.

Another notable feature of claim 1 is that the second elastically deformable element forms an elastic spring. Support for this feature of claim 1 is found in the specification at paragraph [0057].

A further notable feature of claim 1 is that the sealed volume, which is delimited between the external and internal reinforcements, is separated into the plurality of chambers by the plurality of longitudinal bosses.

Maier is understood to relate to a hydraulically damping rubber support having an outer elastically deformable element (outer spring assembly 5 of Fig. 1 or assembly 4 of Fig. 2) and an inner elastically deformable element (inner spring assembly 4 of Fig. 1 or assembly 5 of Fig. 2). Referring to Fig. 1, the rubber support 20 includes an inner tubular part 1, an outer tubular part 2 and a further tubular part 3 arranged concentrically within the inner tubular part 1. The outer 5 and inner 4 spring assemblies include recessed portions, 6a and 6b, respectively, which function as stops during radial loading. In addition, the outer and inner spring assemblies

include damping-medium-filled chambers, 8 and 7, respectively and thus both assemblies, 5 and 4, feature hydraulic elastic springs. Furthermore, each assembly includes flow connectors, 9a and 9b. These flow connectors serve to connect the chambers of each assembly in a restricted or unrestricted manner. See Maier, col. 2, lines 52-55.

According to Applicants' understanding, because of flow connector 9a, Maier's outer spring assembly 5 cannot be adhered without interruption to the inner tubular part 1.

Correspondingly, because of flow connector 9b, Maier's inner spring assembly 4 cannot be adhered without interruption to the further tubular part 3. Moreover, because of stop 6b, which is a recessed portion of assembly 4, Maier's inner spring assembly cannot be adhered without interruption to the inner tubular part 1. This is believed to teach away from having first and second elastically deformable elements that adhere without interruption to an intermediate reinforcement, and a second elastically deformable element that adheres without interruption to an intermal reinforcement, as claimed in claim 1. Applicants discussed this distinction with the Examiner during the telephonic interview on June 6, 2008 and reached an agreement that Maier does not teach these elements of claim 1 and the claims dependent thereon.

Maier also fails to show or suggest an inner spring assembly 4 having an elastic spring. Rather, Maier teaches an inner spring assembly 4 having a hydroelastic spring and thus a hydroelastic joint including a first hydroelastic spring disposed between the external reinforcement and the intermediate reinforcement and a second hydroelastic spring disposed between the intermediate reinforcement and the internal reinforcement. In Fig. 3, Maier indicates that optimal radial deflection and support are achieved by the hydraulic damping of the first assembly coupled with the hydraulic damping of the second support. See Maier, col. 3, lines 24-29.

It is alleged in the Office Action that Maier teaches a second elastically deformable element with a longitudinal dimension less than a corresponding dimension of the first elastically deformable element. Applicants respectfully disagree. It is respectfully submitted that Maier does not teach or suggest that the second elastically deformable element has a longitudinal dimension less than a corresponding dimension of the first deformable element and a skilled artisan could not deduce from the drawings that rubber part 4 has a smaller longitudinal dimension than rubber part 5.

Applicants further note that Maier fails to show or suggest the longitudinal bosses of claim 1. It is alleged in the Office Action that the stops 6a and 6b of Maier correspond to the longitudinal boss of claim 1. Applicants respectfully submit, however, that the stops 6a and 6b do not separate a sealed volume into a plurality of chambers; rather these stops are recessed portions that only contact the outer tubular part 2 or inner tubular part 1 under appropriate loading. See Maier, col. 3, lines 7-18. Accordingly, all the claims are believed patentable under 35 U.S.C. § 102(e).

The other rejected claims in the present application depend from claim 1 and therefore are believed patentable under 35 U.S.C. § 102(e) for at least the reasons discussed above. Because each dependent claim also is deemed to define an additional aspect of the invention, individual reconsideration of the patentability of each on its own merits is respectfully requested.

Furthermore, there is nothing in Hadano, Sprang, Mayerböck or Gautheron that remedies the deficiencies of Maier. Applicants thus respectfully submit that any hypothetical combination of Maier, Hadano, Sprang Mayerböck and/or Gautheron, assuming such combination would even be permissible, would fail to teach numerous elements of claim 1 and

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thus the elements of the claims dependent thereon. Accordingly, all the claims are also believed

to be patentable under 35 U.S.C. § 103(a).

In view of the foregoing amendments and remarks, which are believed clearly to

place the present application in condition for allowance, Applicants respectfully request

favorable reconsideration and an early passage to issue of this application.

Applicants' undersigned attorney may be reached in our New York office by

telephone at (212) 218-2100. All correspondence should continue to be directed to our below

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Respectfully submitted,

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